| Inde | ex of Cla | aims |
|------|-----------|------|
|      |           |      |

| Application No.  | Applicant(s)  |
|------------------|---------------|
| 10/618,871       | CALFAS ET AL. |
| Examiner         | Art Unit      |
| J. Allen Shriver | 3618          |

| K | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | im       | Date         |          |          |          |  |                           |              |          | ] [ | Cla       | im    |          | Date            |          |          |          |                |          | -1            | Cla      | aim        | Date  |            |          |           |          |          |           |           |          |          |          |
|----------|----------|--------------|----------|----------|----------|--|---------------------------|--------------|----------|-----|-----------|-------|----------|-----------------|----------|----------|----------|----------------|----------|---------------|----------|------------|-------|------------|----------|-----------|----------|----------|-----------|-----------|----------|----------|----------|
| _        | 펼        | 94           |          |          |          |  |                           |              |          |     |           | _     | ıal      |                 |          | 1        |          |                |          |               |          |            |       | <u>a</u>   |          |           | ĺ        |          |           |           |          |          |          |
| Final    | Original | 11/29/04     |          |          | l        |  |                           |              |          |     | Î         | Final | Original |                 |          |          |          |                |          | - 1           |          |            | Final | Original   |          |           |          |          |           |           |          |          |          |
| "        | õ        | =            |          |          | l        |  |                           |              |          |     |           | ш.    | ŏ        |                 |          |          |          |                |          |               |          |            | ш     | ŏ          |          |           |          |          |           |           |          |          |          |
|          | 1        | x            | H        |          | -        | <del>                                     </del> | $\vdash$                  | $\vdash$     | H        | _   |           |       | 51       | Н               | 十        | $\dashv$ | +        |                | Н        | $\dashv$      |          | 1.         |       | 101        |          | $\dashv$  | ┪        | -        |           |           |          | $\dashv$ | $\dashv$ |
|          | 2        | х            |          |          | ┢        |  |                           |              | Ħ        |     |           |       | 52       |                 | $\neg$   | $\top$   |          |                | $\Box$   | $\dashv$      |          |            |       | 102        |          |           | 一        | $\neg$   |           |           |          | 寸        |          |
|          | 3        | х            |          | _        |          |  |                           |              | Г        |     | 1         |       | 53       |                 |          | 1        |          |                |          | 寸             |          | - 1        |       | 103        |          |           | ヿ        |          |           |           | $\neg$   | 寸        | $\neg$   |
|          | 4        | Х            |          |          |          |  |                           |              |          |     |           |       | 54       | П               |          | 1        | 1        |                |          |               |          |            |       | 104        |          |           | ヿ        | $\neg$   |           |           |          | ヿ        | $\neg$   |
|          | 5        | Х            |          |          |          |  |                           |              |          |     |           |       | 55       |                 |          |          |          |                |          |               |          |            |       | 105        |          |           |          |          |           |           |          |          |          |
| $\Box$   | 6        | X            |          |          |          | L  | _                         |              |          |     | ]         |       | 56       | Ш               |          |          | $\perp$  |                |          | $\Box$        |          |            |       | 106        |          |           |          |          |           |           |          | $\Box$   |          |
|          | 7        | X            | Ш        |          | _        |  | L_                        | <u> </u>     |          |     |           |       | 57       | Ш               |          |          | -        |                |          | $\dashv$      |          |            |       | 107        | _        | $\Box$    | _        | _        |           |           |          | _        |          |
|          | 8        | X            |          |          | <u> </u> | <u> </u>   | _                         | <u> </u>     | <u> </u> |     |           |       | 58       | Ш               |          | _        | ╄        | Щ              |          |               |          |            |       | 108        |          | _         | _        |          | _         |           | Ц        | _        | _        |
| $\vdash$ | 9        | X            | Н        |          | <u> </u> | _  | _                         | <u> </u>     | L,       |     |           |       | 59       | -               |          |          | +-       |                | -        | $\dashv$      | _        |            |       | 109        |          |           | _        | _        | _         |           | $\dashv$ |          |          |
|          | 10<br>11 | X            | $\dashv$ |          | $\vdash$ | <u> </u>   | <u> </u>                  | _            |          | _   |           |       | 60       | $\vdash$        |          | +        | $\perp$  |                | $\dashv$ | _             | _        |            |       | 110        | -        | _         |          | $\dashv$ | -         | Н         | $\dashv$ |          | 4        |
| $\vdash$ | 12       | X            | $\dashv$ | _        | $\vdash$ | $\vdash$   | -                         | -            | $\vdash$ |     |           |       | 61<br>62 | $\vdash$        | +        | +        | +        | $\vdash$       | $\vdash$ | -             | -        | ÷          |       | 111<br>112 | $\vdash$ | -1        | $\dashv$ | $\dashv$ | $\vdash$  |           | -        | $\dashv$ | $\dashv$ |
| $\vdash$ | 13       | <del> </del> |          | _        | H        | $\vdash$   | H                         |              |          |     | . 1       |       | 63       | $\vdash$        | +        | +        | +        | $\vdash$       | $\vdash$ | $\dashv$      | -        |            |       | 113        | $\dashv$ |           | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 14       |              | $\vdash$ | _        | -        | $\vdash$   |                           | $\vdash$     | $\vdash$ | _   | а.        |       | 64       | $\vdash$        | +        | +        | +        |                |          | $\dashv$      |          | - in 1     | -     | 114        | -        | $\dashv$  | ᅱ        |          |           |           | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$ | 15       |              | $\vdash$ |          |          | Т  | Н                         | 一            | $\vdash$ | _   | 2         |       | 65       | H               | $\dashv$ | ╁        | +-       | $\vdash$       | $\dashv$ | 一             | $\dashv$ |            |       | 115        | $\vdash$ | $\dashv$  | $\dashv$ | $\dashv$ | $\exists$ |           | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 16       | П            | $\dashv$ |          |          | Т  |                           | $\vdash$     | П        | _   | - : : / . |       | 66       | H               | $\dashv$ | $\top$   | 1        | П              | $\vdash$ | $\dashv$      | _        |            |       | 116        | -        |           | ᅥ        |          |           | $\vdash$  | $\dashv$ | $\dashv$ | ᅥ        |
|          | 17       | _            | $\neg$   |          |          | Г  |                           | _            |          |     |           |       | 67       | П               | $\neg$   | _        | T        |                |          |               |          |            |       | 117        |          |           | 一        |          |           |           |          | $\dashv$ | ヿ        |
|          | 18       |              |          |          |          |  |                           |              |          |     |           |       | 68       | П               |          | 1        | $\top$   |                |          | ヿ             |          | 10         |       | 118        |          |           | _        |          |           |           |          | $\neg$   |          |
|          | 19       |              |          |          |          |  |                           |              |          |     |           |       | 69       | П               |          | $\top$   | Т        |                |          | T             |          |            |       | 119        |          |           |          |          |           |           |          | $\neg$   |          |
|          | 20       |              |          |          |          |  |                           |              |          |     | 9.        |       | 70       |                 |          |          |          |                |          |               |          |            |       | 120        |          |           |          |          |           |           |          | $\Box$   |          |
|          | 21       |              |          |          |          |  |                           |              |          |     | . 4       |       | 71       |                 |          |          |          |                |          | $\Box$        |          |            |       | 121        |          |           |          |          |           |           |          |          |          |
|          | 22       | Ш            |          |          |          | 匚  | L                         |              |          |     |           |       | 72       | Ш               |          | $\perp$  | _        |                |          | ightharpoonup |          | 7.1        |       | 122        |          |           |          | $\Box$   |           |           |          |          |          |
|          | 23       | Ш            | $\dashv$ |          | L        | L  | L                         | L            | _        |     |           |       | 73       | Ш               |          | $\perp$  | 1        |                |          | $\dashv$      |          | - 2        |       | 123        |          |           | _        | _        | _         |           |          | _        | _        |
|          | 24       |              | _        |          |          | <u> </u>   | $ldsymbol{ldsymbol{eta}}$ | _            | $\perp$  |     |           |       | 74       | Ш               | 4        | - -      | _        |                |          | _             |          |            |       | 124        |          | _         |          | _        | _         |           |          | _        | _        |
|          | 25       | Ш            |          |          | _        | <u> </u>   |                           | <u> </u>     | $\vdash$ |     |           |       | 75       | Ш               | _        | - -      | 4        |                | _        | _             | _        |            |       | 125        |          |           | $\dashv$ | _        |           | $\dashv$  | $\sqcup$ | _        | _        |
|          | 26<br>27 | $\vdash$     | $\dashv$ |          | _        | ⊢  | <u> </u>                  | <u> </u>     | Н        | _   | -         |       | 76<br>77 |                 | $\dashv$ | +        | ╀        |                |          |               | _        | -11<br>-11 |       | 126        |          |           | $\dashv$ | $\dashv$ | _         | -         | $\dashv$ | $\dashv$ | 4        |
|          | 28       | Н            | $\dashv$ | _        | _        | ├  | -                         | <del> </del> | Н        |     |           |       | 78       | $\vdash$        | +        | +        | ╁        | Н              | $\dashv$ | -             |          |            |       | 127<br>128 | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | -         | -         |          | $\dashv$ | _        |
| $\vdash$ | 29       | $\vdash$     | $\dashv$ |          |          | -  |                           | $\vdash$     | H        |     |           |       | 79       | H               | $\dashv$ | ┿        | ╁╌       |                |          | -             | -        |            |       | 129        | -        | $\dashv$  | $\dashv$ |          |           | $\dashv$  | $\dashv$ | -        | $\dashv$ |
|          | 30       | -            | $\dashv$ |          |          |  | _                         | ├─           | H        |     |           |       | 80       | Н               |          | $\dashv$ | ╁        | Н              |          | +             | $\dashv$ |            |       | 130        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 31       |              | $\dashv$ |          | -        |  |                           | $\vdash$     | $\vdash$ |     |           | -     | 81       | Н               | $\dashv$ | ╁        | $\vdash$ |                | -        | ᆉ             | -        |            |       | 131        | $\neg$   | $\dashv$  | $\dashv$ | $\dashv$ | -         |           | $\dashv$ | $\dashv$ | ᅱ        |
|          | 32       |              |          |          |          |  |                           | $\vdash$     | Н        |     |           |       | 82       | H               | $\neg$   | $\top$   | t        | Н              | $\dashv$ |               | -        |            |       | 132        |          | $\dashv$  | Ħ        |          | -         | -         | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 33       |              |          |          |          |  |                           |              | П        |     |           |       | 83       | П               | $\neg$   |          | 1        | П              | ヿ        | T             |          |            |       | 133        |          |           |          |          |           |           |          | ┪        | ╛        |
|          | 34       |              |          |          |          |  |                           |              |          |     | F         |       | 84       |                 |          |          |          |                |          | 丁             |          |            |       | 134        |          | コ         | T        |          |           |           |          | 7        | $\neg$   |
|          | 35       |              |          |          |          |  |                           |              |          |     | ż         |       | 85       |                 | $\Box$   | $\perp$  |          |                |          |               |          |            |       | 135        |          |           |          |          |           |           |          | J        |          |
|          | 36       |              |          |          |          |  |                           |              |          |     | [         |       | 86       |                 | $\Box$   |          |          |                |          |               |          |            |       | 136        |          |           |          |          |           |           |          |          |          |
|          | 37       | Ш            |          |          | L        |  |                           | L            | Ш        |     |           |       | 87       |                 | $\perp$  | $\perp$  |          | Ш              |          |               | $\Box$   | [, ]       |       | 137        |          | $\Box$    |          |          |           |           |          | $\Box$   |          |
|          | 38       | Ш            | $\Box$   |          |          | <u> </u>   | Ш                         |              | Ш        |     |           |       | 88       | Щ               | 4        | 4        | <u> </u> | Ш              | $\Box$   | _             | _        |            |       | 138        |          |           |          | _        |           |           |          | [        | _        |
|          | 39       |              |          | _        | <u> </u> | _  | $\vdash$                  |              | Ш        |     |           |       | 89       | $\sqcup$        | $\dashv$ |          | -        | Н              |          | _             | 4        |            |       | 139        | _        | _         | _        | _        | _         | $\Box$    | $\Box$   | _        | _        |
|          | 40       | Н            | -        | _        | L        | $\vdash$   | Ш                         | $\vdash$     | Н        |     |           |       | 90       | $\dashv$        | $\dashv$ | +        | -        | Н              | $\sqcup$ | 4             | 4        |            |       | 140        | $\dashv$ | _         | -        |          | _         | _         |          | 4        | _        |
|          | 41<br>42 | $\vdash$     | $\dashv$ | _        | <u> </u> | -  | Н                         | $\vdash$     | Н        |     |           |       | 91<br>92 | Н               | +        | +        | -        | Н              | $\vdash$ |               | 4        |            |       | 141        |          | -         |          | _        | $\dashv$  | $\square$ | $\dashv$ |          | _        |
| $\vdash$ | 42       | $\vdash$     | -        | _        | $\vdash$ | -  | $\vdash$                  | -            | H        | _   |           |       | 93       | $\vdash \vdash$ | +        | +        | +-       | $\vdash\vdash$ | $\dashv$ | -+            | $\dashv$ |            |       | 142<br>143 | -        |           | -        | -        |           |           | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 44       | $\vdash$     | -        |          | -        | $\vdash$   | $\vdash$                  | $\vdash$     | $\vdash$ |     | -         |       | 94       | $\vdash$        | $\dashv$ | ┰        | ╁        | $\vdash\vdash$ |          | -+            | $\dashv$ |            |       | 143        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | -         | $\dashv$  | -        |          | $\dashv$ |
| $\vdash$ | 45       |              | -        | -        | $\vdash$ |  |                           | $\vdash$     | Н        | _   |           |       | 95       | $\vdash \vdash$ | +        | +        | +        | Н              | $\vdash$ | -+            | $\dashv$ |            |       | 145        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |           | $\dashv$  | -        | $\dashv$ | $\dashv$ |
|          | 46       | $\vdash$     | -        | $\dashv$ | $\vdash$ | $\vdash$   | $\vdash$                  | -            | Н        |     |           |       | 96       | $\vdash$        | $\dashv$ | +        | $\vdash$ | $\vdash$       |          | $\dashv$      | $\dashv$ |            |       | 146        | $\dashv$ | -         |          | -        | -         | -         | -        | +        | $\dashv$ |
| $\vdash$ | 47       | $\vdash$     | $\dashv$ | $\dashv$ | $\vdash$ |  | H                         | Н            | Н        |     |           |       | 97       | $\vdash$        | $\dashv$ | +        | T        | Н              | $\vdash$ | -+            | $\dashv$ |            |       | 147        | $\dashv$ | $\dashv$  | ᆉ        | $\dashv$ |           |           | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 48       | $\exists$    | 寸        | ٦        |          |  | $\vdash$                  | Т            | H        | _   |           |       | 98       | $\Box$          | 十        | 1        | T        | Н              |          | -             | ᅥ        |            |       | 148        |          |           | $\dashv$ | $\dashv$ |           |           | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 49       | $\Box$       | $\neg$   |          |          |  | П                         |              | П        | _   |           |       | 99       | $\Box$          | $\dashv$ | $\top$   | 1        | П              | $\neg$   | 寸             | $\dashv$ |            |       | 149        |          | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$  |           | 寸        | 一        | $\dashv$ |
|          | 50       |              |          |          |          |  |                           |              |          |     |           |       | 100      |                 |          | T        |          |                |          |               |          |            |       | 150        |          | $\exists$ | ヿ        |          | $\neg$    |           |          | $\neg$   |          |